



# Sintered Bronze Filter Cartridges



## Overview

- Sintered Bronze filter cartridges are manufactured from Bronze / Cupro-nickel Powder .
- Bronze Powder is sieved as per specifications to generate proper Micron Porosity and Sintered At nearly 800 deg C to create Self Supporting cartridge structure which can handle Operating pressure at designed flow rate of Air or Gas.
- The sintered bronze has a limited porosity of 30 % & having strength to get the cylindrical shape cartridges of required diameter & length.

## Features & Benefits

- Low pressure drop, High capacity of dust and long service life.
- End caps and connectors sealed by thermal bond, Free of binder with Ultrasonic welding.
- Manufacture in clean room areas.
- Allowable Temperature : 90°C
- Op. Pressure : 100 kg/cm<sup>2</sup>
- Replacement Pressure Drop : 2.5 kg/cm<sup>2</sup>

## Application

- Compressed Air, Nitrogen
- Liquid Oxygen & Nitrogen
- Fluidization, Degassing, Flow Restrictors, Instrumentations, Pneumatic Automation

## Specification

- Filter media : Bronze
- Core : Coreless, Perforation or Spring ( If required)
- End cap : SS , Brass-or- Aluminum
- Gasket/O-ring : Silicon, EPDM, Buna
- Type of caps : Both End Open, Threaded end, Flanged end
- Filtration rating : 1, 3, 5, 10, 20um
- Outer diameter : Customized
- Length : Customized